



Priority Research Centre –  
Computer Assisted Research Mathematics and its Applications

**CARMA Retreat Agenda**  
Saturday 18 August 2012  
Venue: Fort Scratchley, Newcastle

9:00 – 9:10 Introductions and Welcome

9:10 – 9:30 [Jon Borwein - Overview](#)

**PRESENTATIONS BY RESEARCHERS**

**Pure Mathematics** (1hr led by George Willis)

9:30 – 9:45 [Wadim Zudilin - L at 3](#)

9:45 – 10:00 Michael Coons - A hierarchy of complexity in the context of Mahler's method

10:00 – 10:15 [Murray Elder - Some questions around indexed languages](#)

10.15 – 10.30 [Fran Aragon - The Douglas-Rachford algorithm](#)

*Morning Tea*

**Operations Research** (1hr led by Martin Savelsbergh)

11:00 – 11:20 [Masoud Talebian – Channel Coordination under Competition](#)

11:20 – 11:40 Natasha Boland – Using Mathematics to Maximize the Efficiency of Shared Infrastructure in Australia's Coal Export Supply Chain

11:40 – 12:00 [Martin Savelsbergh – C-OPT: Centre for Optimal Planning and Operations](#)

*Lunch*

**Applied Mathematics** (1hr led by Michael Meylan)

1:00 – 1:20 [Michael Meylan - Water Wave Scattering in the Time Domain](#)

1:20 – 1:40 [Bishnu Lamichhane - A finite element method for a three-field formulation in elasticity](#)

1:40 – 2:00 [Roslyn Hickson - Old flu, young flu, more flu, less flu; who to vaccinate?](#)

**Overview of Outreach Workshop**

2:00 – 2:20 Judy-anne Osborn

**Posters**

2:20 – 2.50 Afternoon tea and Poster Display (Postgraduate students and post-docs)

2:50 – 3:00 Awarding of Poster Prizes – Chair Murray Elder

**List of Poster Presentations**

Judy-anne Osborn  
Michael Rose  
Hadi Charkhgard  
Liangjin Yao  
Mohsen Reisi  
Ian Searston

Rachel Bunder  
James Wan  
Chris Banks  
Roslyn Hickson  
Simranjit Kaur and Reena Kapoor